

Minute July

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COMIREX-M-51

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COMMITTEE ON IMAGERY REQUIREMENTS AND EXPLOITATION
NRO, DIA & USAF REVIEWS COMPLETED
COMIREX-M-51
10 October 1968



The following is an index of the Minutes of the 10 October 1968
COMIREX Meeting:

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[Redacted]

GROUP 1
Excluded from automatic
downgrading and declassification

[Redacted]

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COMMITTEE ON IMAGERY REQUIREMENTS AND EXPLOITATION

Minutes of Meeting Held in Auditorium

1000-1300, Thursday, 10 October 1968

PRESIDING

Chairman

MEMBERS PRESENT

Mr. L. A. Moyer, Jr., State

Lt. Col. C. E. Davison, AFNIN

DIA

Col. C. C. Clayton, OACSI

Capt. S. E. Sloan, ONI

CONSULTANTS PRESENT

Cdr. J. J. Richardson, ONI

Mr. B. E. Hultz, FTD

PIC

PIC

Executive Secretary

Ch/Committee on Imagery Requirements
and Exploitation

Ch/Imagery Collection Requirements Subcommittee

Ch/Imagery Exploitation Subcommittee

Coordinating Ch/Exploitation Research and

Development Subcommittee

National Imagery Data Base Working Group

Mapping, Charting, and Geodesy Working

Group

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Section I (Briefings and Reports on Operations)

Operational Briefing--Satellite

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CORONA

1105 - Scheduled 30 October 1968

Estimated 1st bucket recovery (9 days) - 8 Nov, 2230Z

Estimated 2nd bucket recovery (9 days) - 17 Nov, 2230Z

Film processing/distribution:

Estimated arrival 1st bucket at Eastman Kodak -
9 Nov, 1800Z

Estimated arrival 1st bucket Priority 1 in D.C. area -
12 Nov, 1600Z

Estimated arrival 1st bucket Priority 2 in D.C. area -
13 Nov, 1600Z

Estimated arrival 2nd bucket at Eastman Kodak -
18 Nov, 1800Z (Processing to begin 21 Nov
at Eastman Kodak)

Estimated arrival 2nd bucket Priority 1 in D.C. area -
24 Nov, 1600Z

Estimated arrival 2nd bucket Priority 2 in D.C. area -
25 Nov, 1600Z

Projected stereo coverage:

1st bucket - Land area - 2.75 million sq. n.m.
Targets - Approximately 2,400

2nd bucket - Land area - 2.75 million sq. n.m.
Targets - Approximately 2,400

1106 - Scheduled 11 December 1968

Estimated 1st bucket recovery - 18 December, 2230Z

Estimated 2nd bucket recovery - 26 December, 2230Z

Film processing/distribution:

Estimated arrival 1st bucket at Eastman Kodak -
19 Dec, 1800Z

Estimated arrival 1st bucket Priority 1 in D.C. area -
22 Dec, 1600Z

Estimated arrival 1st bucket Priority 2 in D.C. area -
23 Dec, 1600Z

Estimated arrival 2nd bucket at Eastman Kodak -
27 Dec, 1800Z

Estimated arrival 2nd bucket Priority 1 in D.C. area -
30 Dec, 1600Z

Estimated arrival 2nd bucket Priority 2 in D.C. area -
31 Dec, 1600Z

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Projected stereo coverage:
1st bucket - Land area - 2.75 million sq. n.m.
Targets - Approximately 2,400
2nd bucket - Land area - 2.75 million sq. n.m.
Targets - Approximately 2,400

1049 - Scheduled 29 January 1969
Estimated 1st bucket recovery - 6 February 1969
Estimated 2nd bucket recovery - 14 February 1969

1107 - Scheduled 12 March 1969
Estimated 1st bucket recovery - 21 March 1969
Estimated 2nd bucket recovery - 30 March 1969

1050 - Scheduled 14 May 1969
Estimated 1st bucket recovery - 22 May 1969
Estimated 2nd bucket recovery - 30 May 1969

Report on Aircraft Activities--Far East

[Redacted]

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2. [Redacted] confirmed continued inactivity of [Redacted] and IDEALIST/TACKLE. [Redacted] reported also that there had been no GIANT SCALE missions during the period. [Redacted] activities for the 4-10 October span are shown below:

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<u>Date</u>	<u>Mission</u>	<u>Areas/Targets</u>	<u>Remarks</u>
4 Oct	Q230 (high)	DMZ, Mu Gia Pass, Bai Thuong Afd, Vinh Complex, Rtes 15, 1A and 1	Successful, MARS
5 Oct	Q838 (low)	Haiphong, Kien An Afd, Nam Dinh, Ninh Binh RR/ Hwy Br, Seg Rte 1A, Thanh Hoa	Successful, MARS

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Activities Cont.

<u>Date</u>	<u>Mission</u>	<u>Areas/Targets</u>	<u>Remarks</u>
	Q242 (high)	Haiphong, Hanoi Rtes Haiphong-Hanoi	Successful, MARS
6 Oct	Q843 (low)	Hanoi/Gia Lam Afld, Nam Dinh	Successful, MARS
8 Oct	Q243 (high)	DMZ, Segs Rtes 1A, 101, 15 Vinh, Thanh Hoa, Bai Thuong	Successful, MARS
10 Oct	Q842 (low)	Haiphong Cat Bi Afld, Haiphong Naval Base, SAM Sites 311 and 71	Successful, MARS
		Successful 6 Lost 0	

3. [] reported efforts to satisfy two priority South China/North Vietnam requirements as follows:

a. Coverage of Lines of Communications (LOC) pertinent to the introduction of Chinese forces into North Vietnam (see COMOR-D-25/207, 4 March 1966). The number of LOC priority targets in South China and North Vietnam remains at 143. For the period 3-9 October, surveillance coverage was reported on one priority target in South China. The specific target is underlined in Tab A.

b. Coverage of North Vietnam to detect the possible introduction or deployment of offensive missile systems (see COMOR-D-25/200, 23 May 1967 and COMIREX-D-25.3/2, 20 November 1967) is shown on the grid map at Tab B for the period 26 September - 2 October. Three [] missions were flown during this time frame and considered successful, have not been reported. No SSM activity was observed.

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Report on Aircraft Activities--Cuba

4. [] described Mission G045, flown 4 October, as successful and as having achieved 20.5 percent coverage.

5. [] reported that for the 56-day period beginning 15 August 1968, eight [] missions were flown over Cuba and provided 87 percent coverage of the area. During this period 148 of the 159 targets in Cuba were covered completely on cloud-free photography, not including the most recent mission, G045, 4 October 1968.

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Section III (Subcommittee and Working Group Reports)

Report from Imagery Collection Requirements Subcommittee

1. [] provided the following reports on area coverage with section b. devoted to coverage by mono:

a. Nautical square miles of stereo 90-100 percent cloud-free panoramic photography.

(1) Area I - Built-up areas - Total
6.8 million square nautical miles.

	<u>Mission</u>	<u>Date</u>	<u>Gross (%)</u>	<u>Net (%)</u>	<u>Accum (%)</u>
(UNIQUE)	1046	Mar 68	1.69 (24.9)	1.69 (24.9)	1.69 (24.9)
	1103	May 68	1.25 (18.4)	.81 (11.9)	2.50 (36.8)
	1047	Jun/Jul 68	1.03 (15.1)	.79 (11.6)	3.29 (48.4)
	1104	Aug 68	1.60 (23.5)	.66 (9.7)	3.95 (58.1)
	1048	Sep/Oct 68	1.99 (29.3)	.67 (9.8)	4.62 (67.9)

Unique coverage of Mission 1046 - .59 (8.7%) million

(2) Area II - Undeveloped areas - Total
2.8 million square nautical miles.

	<u>Mission</u>	<u>Date</u>	<u>Gross (%)</u>	<u>Net (%)</u>	<u>Accum (%)</u>
(UNIQUE)	1101	Sep 67	.32 (11.4)	.32 (11.4)	.32 (11.4)
	1044	Nov 67	.28 (10.0)	.27 (9.7)	.59 (21.1)
	1102	Dec 67	.11 (3.9)	.11 (3.9)	.70 (25.0)
	1045	Feb 68	.35 (12.5)	.29 (10.4)	.99 (35.4)
	1046	Mar 68	.75 (26.8)	.52 (18.6)	1.51 (54.0)
	1103	May 68	.37 (13.2)	.25 (8.9)	1.76 (62.9)
	1047	Jun/Jul 68	.44 (15.7)	.11 (3.9)	1.87 (66.8)
	1104	Aug 68	.05 (1.8)	.01 (0.4)	1.88 (67.2)
	1048	Sep/Oct 68	.33 (11.8)	.13 (4.6)	2.01 (71.8)

Unique coverage of Mission 1101 - 15.08 (2.8%) million

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b. Nautical square miles of mono 90-100 percent cloud-free panoramic photography from Mission 1048-2.

<u>Area</u>	<u>Gross (%)</u>	<u>Net (%)</u>
I	.89 (13.1)	.21 (3.1)
II	.13 (4.6)	.02 (0.7)
Total:	1.02 (10.6)	.23 (2.4)

NOTE:

The unique coverage missions of Area I and Area II eliminated by the mono coverage is for:

Area I .04 (0.6%)

Area II None

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Section IV (Action Items)

Proposed Reduction in Duplication of KH-4 Film in Adverse
Weather Areas

1. The DIA member advised members that he was concerned about the amount of cloud cover which might be duplicated in the course of the rather considerable duplication demands for KH-4 photography. COMIREX agreed in general that the type of plan outlined by [] was wasteful and requested EXSUBCOM to study the possibility of having Eastman Kodak cut down on whole role duplication when it was reported that a mission had encountered considerable cloud cover.

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Section V (Status of Recent COMIREX Papers)

Overhead Imagery Reconnaissance of North Vietnam During a Truce (Revision of COMIREX-D-25.3/3, circulated by the DIA member on 26 September)

1. The Chairman introduced discussion of [] revision of COMIREX-D-25.3/3 with the observation that he was still concerned about the reduced coverage requirement for indicator targets. The Acting CIA member advised that his Agency was not concerned about this omission since other requirements, if met, would satisfy that need. [] agreed to accept the new DIA paper while noting that the proposed paragraph 4 f, specifying the need to cover infiltration forces, was perhaps redundant to paragraph 4 b which required coverage of deployment of forces toward South Vietnam. [] called after the meeting to advise that he and [] had decided to delete the new paragraph 4 f and revise paragraph 4 b to read "deployment of infiltration forces toward South Vietnam". During the ensuing discussion it was noted that both the original paper and the DIA revision are confined to reconnaissance of North Vietnam during a truce whereas the new charge on the CCPC is to provide an intelligence contingency plan for the Vietnam theater under either a truce or a general cease fire (enclosure to USIB-D-64.6/43, 16 August 1968).

2. COMIREX agreed to the recommendation of the DIA member that inasmuch as COMIREX-D-25.3/3 had been sent to the Board the revision should also go to USIB. The Chairman advised that in transmitting the revision he would make reference to the charge on CCPC in order to keep these actions in proper perspective.

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EXRAND Objectives for Research and Development in Imagery
Exploitation (COMIREX-D-33.1/2)

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3. [] introduced discussion of this paper with a run down on the work involved in meeting the COMIREX request that priorities be assigned to the objectives as originally submitted (COMIREX-D-33.1/1). Using the graphic attached as Tab C, [] illustrated the difficulty of unearthing all the information considered necessary to a judicious assignment of priorities. He emphasized that EXRAND was quite far downstream from some of the complementary activities at the national level. [] stated that, although a considerable amount of documentation had been studied, EXRAND felt all along that there would be gaps. These gaps would not only be from the upstream organizations to which he referred but also from the nature of the information which EXSUBCOM had to provide as long ago as last spring. At that time the EEI's were not too precise.

4. As further evidence of the information gaps, [] called attention to a joint research and development paper produced for JCS (the Joint Research and Development Objectives Document for FY 1970/1987, JRDoD - 70R - 87). This paper did not come to light until the last few days and was therefore too late to include in the study at hand. [] observed that this report would appear to be the best authority, superior to the other documentation studied, and would certainly be used the next time EXRAND is called upon to apply priorities to its objectives.

5. The Chairman noted that, while he appreciated that EXRAND had approached the priority task with some reluctance and while he also recognized that as a first attempt at such a thing there would have to be a good deal of reliance on "Kentucky windage", he felt that the exercise had been very useful. [] observed that the objectives themselves are supposed only to be helpful to planning and that the addition of the priorities section should then be accepted as further assistance to planners in a broader

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perspective. While [] explained to the Acting CIA member the extent of the staffing, which appeared to have been considerable, he noted that EXRAND had been forced to reject a good many suggestions. Extensive staffing and coordination on a rather theoretical study of this nature is bound to evoke parochial views. The inclusion of all of these could have made completion of the job almost impossible.

6. In conclusion, at the recommendation of the Chairman it was agreed that COMIREX would approve the objectives as stated in COMIREX-D-33.1/1 and would also approve for general planning guidance the priority assigned to the objectives as represented by the last column on Tab A to COMIREX-D-33.1/2. COMIREX noted the matrix used to arrive at these priorities without any attempt to critique the items chosen or suggest additional weighting elements. The Chairman thanked [] for a very helpful briefing and the amount of effort and thought expended by EXRAND in adding priorities to its objectives paper.

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Briefing on U-2R Assigned to IDEALIST/TACKLE Program

6. The Chairman advised COMIREX that []
[] DDS&T/OSA/Ops, would be prepared to
brief members on the U-2R on 22 October. []
then noted that included in [] forecast for October 1968
were two peripheral photo missions. /The Office of the
Chairman ascertained, subsequent to the meeting, that the U-2s
presently available [] can fly either the H-camera or
the [] It is the intention of Ops to use the H-
camera []
as soon as the weather is favorable. /

Usability of KH-4 Mono Photography

7. The Chairman referred to the failure of the
forward camera in the second bucket of 1048 and suggested that
COMIREX give some thought to the usability of mono in certain
situations. [] agreed that mono would normally indicate
that a new target has come into existence or is coming into
existence. This information, however, will automatically pique
interest and good stereo or high resolution coverage will then be
requested. In reply to a question from the DIA member,
[] advised that it is technically possible to configure
a KH-4 to switch from the stereo to the mono mode on command
but the price would appear to be exorbitant in view of the general
wish for stereo photography. In reply to a suggestion that more
search looks of the far north areas might be achieved with mono, it
was also noted that if activity of interest was noted during the
summer months on mono photography there might be an excessively
long wait before the area could again be covered by stereo or high

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resolution photography. [redacted] while steering away from any suggestion that they were advocating the use of mono, informed members that a stereo scanning device has been developed at considerable cost and is almost ready for use.

8. In conclusion the Chairman requested EXSUBCOM to draft a memorandum, defining what level of photography is required by analysts in the search area, with specific statements as to when stereo is essential and where mono would be acceptable. If COMIREX sees the need to revise the existing search requirement, it will be necessary to bring the problem to the attention of USIB.

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[redacted]

Executive Secretary
Committee on Imagery Requirements and Exploitation

Attachments
Tabs A, B, & C

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- | | |
|--------------|--------------------|
| Copies 5, 6 | State TCO |
| 7 | DIA TCO [redacted] |
| 8, 9, 10, 11 | DIA TCO |
| 12, 13 | OACSI TCO |
| 14, 15 | ONI TCO |
| 16, 17 | AFNIN TCO |
| 18, 19 | NSA TCO |
| 20, 21, 22 | NRO TCO |

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Copies 1,2 DCI TCO for USIB/S
3 TCO DCI Liaison Officer, SecDef
4 Dr. Donald Steininger, Executive Office Building
23 [REDACTED]
24 DDP TCO
25-27 CIA COMIREX Member
28,29 Ch/ICRS
30 Special Center TCO
31 ONE TCO
32 IRS ReqBr/RecceGrp
33 OBI TCO
34-36 D/OSR
37-46 NPIC TCO
47 COMIREX Staff [REDACTED]
48 Ch/EXRAND
49 D/IAS
50 TSO CIA
51 DDS&T [REDACTED]
52 ASA/DCI/NIPE
53 D/OSI
54 ExSec/SORS/OSI
55 D/ILSS/DDS&T
56 D/OSP
57 D/OEL
58 D/SA
59 D/O/OSA
60 Intel/O/OSA
61 D/FMSAC
62-66 Ch/COMIREX

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